

Power Density mW/m <sup>2</sup>	Electric Field V/m	SAR W/kg	Category	Description	Reference
< 0.1	0.06	2.6E-05			
0.0000001	0.000	2.6E-13	Neurological	Altered EEG in human subjects.	Brise, 1978
0.0000001	0.000	2.6E-12	DNA	Super-low intensity RFR effects at MW resonant frequencies resulted in changes in genes; problems with chromatin conformation (DNA).	Belyaev, 1997
0.0000001	0.000	2.6E-12	Immune	Effects on immune system in mice.	Bundyuk, 1994
0.0000002	0.000	5.1E-12	Fertility	Stimulation of ovulation in chickens.	Kondra, 1970
0.0000033	0.001	8.4E-11		Schumann resonance covering signal strength for the first three resonant peaks.	Polk, 1982
0.00001	0.002	2.6E-10	Neurological	Changes in electroencephalogram, loss of memory, inability to concentrate, irritability, apprehension.	Bise, 1980
0.00005	0.004	1.3E-09	Cancer	Changed growth rates in yeast cells.	Grundler, 1992
0.0001	0.006	2.6E-09	Neurological	Conditioned "avoidance" reflex in rats.	Kositsky, 2001
0.001	0.019	2.6E-08	DNA	Super-low intensity RFR effects at MW resonant frequencies resulted in changes in genes; problems with chromatin condensation (DNA) intensities comparable to base stations.	Belyaev, 1997
0.0034	0.036	8.7E-08	Fertility	Chronic exposure to mobile phone pulsed RF significantly reduced sperm count.	Behari, 2006
0.005	0.043	1.3E-07	Cancer	RFR decreased cell proliferation at 960 MHz GSM 217 Hz for 30-min exposure.	Velizarov, 1999
0.05	0.137	1.3E-06	Neurological	In adults (30-60 yrs) chronic exposure caused sleep disturbances, (but not significantly increased across the entire population).	Mohler, 2010
0.007	0.051	1.8E-07		(0.05V/m) Adverse health effects around GSM 1800.	Eger (Naila study)
0.02	0.087	5.1E-07	Neurological	Sleep disorders, abnormal blood pressure, nervousness, weakness, fatigue, limb pain, joint pain, digestive problems, fewer schoolchildren promoted—controlled study near a short-wave transmitter.	Altpeter, 1995, 1997

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< 1	0.6	2.6E-05			
0.096	0.2	2.4E-06	Immune	School children exposed to mobile phone base stations had elevated levels of glycated hemoglobin (HbA1c), and a significantly higher risk of type 2 diabetes.	Meo et al, 2015
0.1	0.2	2.6E-06		A study of medical complaints of people with long-term exposure in their homes: Over 100 $\mu$ W/m <sup>2</sup> only 5-6% of the sample (172 people) did not experience adverse health effects.	Oberfranken, 2005
0.128	0.2	3.3E-06	Neurological	Fatigue, depressive tendency, sleeping disorders, concentration difficulties, cardio-vascular problems reported with exposure to GSM 900/1800 MHz cell phone signal at base station level exposures.	Oberfeld, 2004
0.2	0.3	5.1E-06	Neurological	In children and adolescents (8-17 yrs) short-term exposure caused headache, irritation, concentration difficulties in school.	Heinrich, 2010
0.4	0.4	1.0E-05	Neurological	Adults exposed to short-term cell phone radiation reported headaches, concentration difficulties (differences not significant, but elevated).	Thomas, 2008
0.4	0.4	1.0E-05	Immune	Chronic exposure to base station RF (whole-body) in humans showed increased stress hormones; dopamine levels substantially decreased; higher levels of adrenaline and nor-adrenaline; dose-response seen; produced chronic physiological stress in cells even after 1.5 years.	Buchner, 2012
0.5	0.4	1.3E-05	Neurological	In children and adolescents (8-17 yrs) short-term exposure caused conduct problems in school (behavioral problems).	Thomas, 2010
0.5	0.4	1.3E-05	Neurological	Adults (18-91 yrs) with short-term exposure to GSM cell phone radiation reported headache, neurological problems, sleep and concentration problems.	Hutter, 2006
0.6	0.5	1.5E-05	Neurological	Altered EEG, disturbed carbohydrate metabolism, enlarged adrenals, altered adrenal hormone levels, structural changes in liver, spleen, testes, and brain—in white rats and rabbits.	Dumanskij, 1974
0.6	0.5	1.5E-05	Cardiac	Slowing of the heart, change in EEG in rabbits.	Serkyuk, 1980
1	0.6	2.6E-05	Cardiac	RFR linked to adverse neurological, cardio symptoms and cancer risk.	Khurana, 2010
1	0.6	2.6E-05	Neurological	RFR related to headache, concentration and sleeping problems, fatigue.	Kundi, 2009
1	0.6	2.6E-05	Fertility	Sperm head abnormalities in mice exposed for 6-months to base station level RF/MW. Sperm head abnormalities occurred in 39% to 46% exposed mice (only 2% in controls) abnormalities was also found to be dose dependent. The implications of the pin-head and banana-shaped sperm head. The occurrence of sperm head observed increase occurrence of sperm head abnormalities on the reproductive health of humans living in close proximity to GSM base stations were discussed."	Otitolaju, 2010
1	0.6	2.6E-05	Cancer	(0.6V/m) X3 cancer rate at <400m from a phone mast.	Eger (Naila study), 2004

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< 10	1.9	2.6E-04			
1.1	0.6	2.8E-05	Neurological	RFR from cell towers caused fatigue, headaches, sleeping problems.	Navarro, 2003
1.3	0.7	3.3E-05	Neurological	RFR from 3G cell towers decreased cognition, well-being.	Zwamborn, 2003
1.3	0.7	3.3E-05	Fertility	Decreased cell growth (human epithelial amnion cells).	Kwee, 1997
1.6	0.8	4.1E-05	Neurological	Skrunda radar (Latvia) affects children's memory, attention, motor function.	Kolodynski, 1996
2	0.9	5.1E-05	Cancer	Childhood leukemia up to 12 km from TV tower.	Hocking, 1996
2.1	0.9	5.4E-05	Neurological	Adults exposed to short-term GSM 900 radiation reported changes in mental state (e.g., calmness) but limitations of study on language descriptors prevented refined word choices (stupified, zoned-out).	Augner, 2009
2.13	0.9	5.4E-05	Neurological	Increase in saliva cortisol and alpha-amylase detected at higher exposures compared to the baseline	König (1974a)
2.7	1.0	6.9E-05	Cancer	(<1V/m) <350m phone mast: x4 cancer, x10 female cancer.	Wolf & Wolf, 2004
2.7	1.0	6.9E-05	Neurological	(<1V/m) 3G phone mast: cognitive impairment, muscular pains, headaches, dizziness.	Zwamborn, 2003
3.8	1.2	9.7E-05	Calcium	RFR affected calcium metabolism in heart cells.	Schwartz, 1990
4	1.2	1.0E-04	Brain	Breakdown of the blood-brain barrier by cell phones	Eberhardt, 2008
5	1.4	1.3E-04	Fertility	Significant degeneration of seminiferous epithelium in mice at 2.45 GHz, 30-40 min.	Saunders, 1981
6	1.5	1.5E-04	Calcium	Change in calcium ion efflux from brain tissue.	Dutta, 1986
6	1.5	1.5E-04	Cardiac	Cardiac arrhythmias and sometimes cardiac arrest (frogs).	Frey, 1968
6	1.5	1.5E-04	Cancer	(~1.0-1.5 V/m) < 400m phone mast : x3 risk of cancer 10 years.	Navarro 2003, Oberfeld 2004, Santini, 2002
7	1.6	1.8E-04	Neurological	Behaviour disorders, increased health problems, and reduced milk yield in cows near TV and cell phone transmission antenna.	Loscher W, Kas G, 1998
10	1.9	2.6E-04	Fertility	Wi-Fi level laptop exposure for 4-hr resulted in decrease in sperm viability, DNA fragmentation with sperm samples placed in petri dishes under a laptop connected via WI-FI to the internet.	Avendano, 2012
10	1.9	2.6E-04	Brain	RFR induced pathological leakage of the blood-brain barrier.	Persson, 1997
10	1.9	2.6E-04	Neurological	Short-term (50 min) exposure in electrosensitive patients, caused loss of well-being after GSM and especially UMTS cell phone radiation exposure.	Eltiti, 2007
10	1.9	2.6E-04	Immune	Whole body microwave irradiation of male mice caused a significant effect on the immune system.	Fesenko, 1999
10	1.9	2.6E-04	Immune	Irradiation (5 hours) with low-power microwaves stimulates the immune potential of macrophages and T cells.	Novoselova, 1999
10	1.9	2.6E-04	Neurological	Headache, dizziness, irritability, fatigue, weakness, insomnia, chest pain, difficulty breathing, indigestion (humans—occupational exposure).	Simonenko, 1998
10	1.9	2.6E-04	Immune	Stimulation of white cells in guinea pigs.	Shandala, 1978

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< 50	6.1	2.6E-03			
10.53	2.0	2.7E-04	Fertility	Irreversible infertility in mice after 5 generations of exposure to RFR from an 'antenna park'.	Magras & Zenos, 1997
12.5	2.2	3.2E-04	Fertility	RFR exposure affected kidney development in rats (in-utero exposure).	Pyrrasopoulou, 2004
12.8	2.2	3.3E-04	Neurological	Adolescents and adults exposed only 45 min to UMTS cell phone radiation reported increases in headaches.	Riddervold, 2008
15	2.4	3.8E-04	Neurological	RFR reduced memory function in rats.	Nittby, 2007
16.4	2.5	4.2E-04	Neurological	Children exposed to 154 to 162 MHz had a reduction in memory/attention, motor function, and reflexes compared to controls.	Santini
18	2.6	4.6E-04	Fertility	Decreased life span, impaired reproduction, structural and developmental abnormalities in duckweed plants.	Magone, 1996
20	2.7	5.1E-04	Neurological	Memory loss in rats exposed to cell phones.	Nittby, 2009
20	2.7	5.1E-04	Neurological	"Microwave hearing"—clicking, buzzing, chirping, hissing, or high-pitched tones.	Frey 1963, 1969, 1971, 1973, 1988, Justeson 1979, Olsen 1980, Wieske 1963, Lin 1978
20	2.7	5.1E-04	DNA	RFR induced double-strand DNA damage in rat brain cells.	Kesari, 2008
24	3.0	6.1E-04	Cancer	Chronic irradiation of American Embassy in Moscow of 600 MHz to 9.5 GHz resulted in increased risk of leukaemia and uterine cancer.	Santini
25	3.1	6.4E-04	Brain	Breakdown of blood-brain barrier (used a digital cellular phone to provide the radiation).	Salford, 1997
25	3.1	6.4E-04	Calcium	RFR affected calcium concentrations in heart muscle cells.	Wolke, 1996
32.5	3.5	8.3E-04	Fertility	Retarded development of eggs and tadpoles of frog.	Balmori, 2010
40	3.9	1.0E-03	Immune	Altered white blood cell activity in schoolchildren.	Chiang, 1989
40	3.9	1.0E-03	Immune	Altered cell membranes; acetylcholine-induced ion channel disruption.	D'Inzeo, 1988
40	3.9	1.0E-03	Neurological	RFR caused changes in hippocampus (brain memory and learning).	Tattersall, 2001

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< 100	6.1	2.6E-03			
50	4.3	1.3E-03	DNA	Exposure of pregnant rats to GSM-like 940 MHz radiation results in aberrant expression of bone morphogenetic proteins in the kidneys of newborn rats.	Pyrpasopoulou et al, 2004
50	4.3	1.3E-03	DNA	Biochemical and histological changes in liver, heart, kidney, and brain tissue.	Belokrinskiy, 1982
50	4.3	1.3E-03	Cancer	Leukaemia, skin melanoma and bladder cancer near TV and FM transmitter.	Dolk, 1997
50	4.3	1.3E-03	Immune	RFR caused drop in NK lymphocytes (immune function decreased).	Boscolo, 2001
50	4.3	1.3E-03	Cardiac	Blinded exposure to a 2.4 GHz DECT phone resulted in heart rate variability.	Havas et al, 2010
52.5	4.4	1.3E-03	Immune	20 minutes of RFR at cell tower frequencies induced cell stress response.	Kwee, 2001
57	4.6	1.5E-03	Cancer	Two-fold increase in leukaemia in adults from AM RF exposure.	Dolk, 1997
60	4.8	1.5E-03	DNA	RFR induced DNA damage in cells.	Phillips, 1998
66	5.0	1.7E-03	Fertility	(5V/m) Decreased sperm count.	Adey, 1982
70	5.1	1.8E-03	DNA	Gene expression and energy metabolism.	Roux et al, 2008
70	5.1	1.8E-03	DNA	Stress gene expression.	Vian et al, 2006
80	5.5	2.0E-03	Cancer	RFR decreased survival in children with leukemia.	Hocking, 2000
80	5.5	2.0E-03	Cancer	Two-fold increase in childhood leukaemia / RFR exposure to AM/FM towers.	Hocking, 1996
80	5.5	2.0E-03	Calcium	Increased activity of alkaline phosphatase activity in guinea pigs (2375 MHz).	Pashovkina MS et al, 2000
87.5	5.7	2.2E-03	DNA	RFR at 900 MHz for 2-12 hours caused DNA breaks in leukemia cells.	Marinelli, 2004
100	6.1	2.6E-03	Neurological	People lived and worked near AM radio antennas and radar installations showed deficits in psychological and short-term memory tests.	Chiang et al, 1989
100	6.1	2.6E-03	Fertility	Sperm counts of Danish military personnel, who operated mobile ground-to-air missile units that use several RFR emitting radar systems, were significantly lower compared to references.	Hjollund et al, 1997
100	6.1	2.6E-03	Fertility	Decreased size of litter, increased number of stillborns in mice.	Il'Chevich, 1980
100	6.1	2.6E-03	Calcium	Redistribution of metals in the lungs, brain, heart, liver, kidney, muscles, spleen, bones, skin, blood.	Shutenko, 1981
100	6.1	2.6E-03	Neurological	Changes in behavior (avoidance) after 0.5 hour exposure to pulsed RFR.	Navakatikian, 1994
100	6.1	2.6E-03	Neurological	RFR caused emotional behavior changes, free-radical damage by super-weak Mws.	Akoev, 2002
100	6.1	2.6E-03	Fertility	Reproductive capacity of the fly decreased linearly with increased duration of exposure from 900MHz and 1800MHz GSM 1-21 min/day, 5 days.	Panagopoulos et al, 2010
100.2	6.1	2.6E-03	Neurological	High exposure to RF-EMF produced by MPBSTs was associated with delayed fine and gross motor skills, spatial working memory, and attention in school adolescents compared to students who were exposed to low RF-EMF.	Meo et al, 2018
100	6.1	2.6E-03	Neurological	Visual reaction time in children is slowed//lower memory function in tests.	Chiang, 1989
100	6.1	2.6E-03	Cancer	(4.3-6.1V/m) x10 leukaemia, x6 NHL.	Szmigielski, 1996
100	6.1	2.6E-03	Neurological	RFR caused impaired nervous system activity.	Dumansky, 1974

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< 1000	19.4	2.6E-02			
120	6.7	3.1E-03	Fertility	Reduced reproductive capacity of Fruit flies. An 'intensity window' of 100mW/m <sup>2</sup> had the same impact as 2000mW/m <sup>2</sup> . DNA fragmentation was also observed.	Panagopoulos and Margaritis, 2008
125	6.9	3.2E-03	Calcium	RFR caused calcium efflux in cells - can affect many critical cell functions.	Dutta, 1989
135	7.1	3.4E-03	Immune	RFR affected human lymphocytes - induced stress response in cells.	Sarimov, 2004
150	7.5	3.8E-03	DNA	Change in membrane of cells in the retina from 2.45 GHz exposure for 1 hour.	Pologea-Moraru et al, 2002
150	7.5	3.8E-03	Neurological	Memory impairment, slowed motor skills and retarded learning in children.	Chiang, 1989
200	8.7	5.1E-03	Neurological	900 MHz pulsed with 217 Hz result in slight transient elevation in cortisol production.	Mann, K et al, 1998
200	8.7	5.1E-03	DNA	Increase in micronuclei (aberrant DNA form) found in workers chronically exposed to microwaves at 1250-1350 MHz.	Garaj-Vrhovac, 1999
220	9.1	5.6E-03	Immune	Increased plasma protein levels.	Pazderova, PAVE PAWS REPORT
250	9.7	6.4E-03	Brain	Damaged mitochondria and nucleus of cells in hippocampus of brain.	Belokrinitsky, 1982a
260	9.9	6.6E-03	DNA	DNA damage in human glial cells.	Campisi et al, 2010
282	10.3	7.2E-03	DNA	RFR increased free radical production in rat cells.	Yurekli, 2006
300	10.6	7.7E-03	Immune	Immune system effects - elevation of PFC count (antibody-producing cells).	Veyret, 1991
450	13.0	1.1E-02	Fertility	Pulsed RFR affected serum testosterone levels in mice.	Forgacs, 2006
500	13.7	1.3E-02	Neurological	An 18% reduction in REM sleep (important to memory and learning functions)	Mann, 1996
500	13.7	1.3E-02	Brain	Cell phone RFR caused a pathological leakage of the blood-brain barrier in 1 hour.	Salford, 2003
520	14.0	1.3E-02	DNA	Oxidative lipid and DNA damages in the brain of pregnant rabbits from 1800MHz AM modulation for 15 minutes/day, 7 days exposure.	Guler et al, 2010
600	15.0	1.5E-02	Fertility	RFR caused structural changes in cells of mouse embryos.	Somozy, 1991
600	15.0	1.5E-02	Immune	Pulsed RFR affected immune function in white blood cells.	Stankiewicz, 2006
600	15.0	1.5E-02	Neurological	Cortex of the brain was activated by 15 minutes of 902 MHz cell phone.	Lebedeva, 2000
600	15.0	1.5E-02	Neurological	Accidental exposure to CDMA mobile phone antenna over 1-2 hr resulted in headaches, left blurred vision and pupil constriction, altered sensation on the forehead, and abnormal current perception in the left trigeminal ophthalmic nerve.	Hocking and Westerman, 2001
650	15.7	1.7E-02	Cancer	RFR affected genes related to cancer.	Ivaschuk, 1999
700	16.2	1.8E-02	Neurological	Occupational exposure to microwave radiation, including at <.07mW/cm <sup>2</sup> caused Heaviness in head*, fatigue*, irritability*, sleepiness, memory loss*, cardiac pain*, dermatographism (skin sensitivity)*, hyperhidrosis* * significant increase with time of exposure.	Sadcikova, 1974
782	17.2	0.0199	DNA	Rats exposed to 900 MHz for 2 h/day for 10 months, there was a significant increase in malondialdehyde and total oxidant status over controls.	Dasdag, 2008
925	18.7	2.4E-02	DNA	RFR caused genetic changes in human white blood cells.	Belyaev, 2005

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< 10000	61.4	0.2551			
1000	19.4	0.0255	Immune	Changes in immune system function.	Elekes, 1996
1000	19.4	0.0255	Fertility	A 24.3% drop in testosterone after 6 hours of CW RFR exposure.	Navakatikian, 1994
1000	19.4	0.0255	Cancer	Increased risk in radar operators of cancer; very short latency period; dose response to exposure level of RFR reported.	Richter, 2000
1200	21.3	0.0306	Brain	A pathological leakage in the blood-brain barrier with 915 MHz cell RF.	Salford, 1994
1200	21.3	0.0306	Fertility	Increased mortality of avian embryos.	Xenos and Magras, 2003
1270	21.9	0.0324	DNA	Rats exposed to two mobile phone frequencies, 1800 MHz and 2100 MHz, for 2 h/day over 7 months, significant alterations in oxidant-antioxidant parameters, DNA strand breaks, and oxidative DNA damage were found.	Alkis, 2021
5000	43.4	0.1275	Immune	Rats exposed microwaves for 1 month, 7 h/day, and found impaired immune competence and induction of autoimmune disease.	Shandala, 1977
5000	43.4	0.1275	Calcium	Intestinal epithelial cells exposed to 2.45 GHz pulsed at 16 Hz showed changes in intercellular calcium.	Somozy, 1993
5000	43.4	0.1275	Fertility	A 24.6% drop in testosterone and 23.2% drop in insulin after 12 hrs of pulsed RFR exposure.	Navakatikian, 1994
5000	43.4	0.1275	Immune	Rats irradiated with 2.45 GHz at 0.5 mW/cm <sup>2</sup> for 7 h daily for 30 days produced autoimmune reactions, and 0.1 – 0.5 mW/cm <sup>2</sup> produced persistent pathological immune reactions.	Grigoriev, 2010, 2012
10000	61.4	0.2551	Neurological	Fatigue, drowsiness, headaches, loss of memory, decrease in hemoglobin, decrease in erythrocytes, hypercoagulation) decrease in leukocytes, increase in lymphocytes, decrease in segmento-nuclear neutrophils, increase in reticulocytes, increase in thrombocytes, decrease in osmotic and acid resistance of erythrocytes, decrease in bactericidal action of skin and oral cavity, decrease in blood serum lysozyme, decrease in phagocytic activity of neutrophils.	Zalyubovskaya & Kiselev, MCCREE AND SHANDALA, 1980

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< 100000	61.4	2.5507			
30000	106.3	0.7652	Neurological	Fatigue, irritability, sleepiness, . memory loss, bradycardia, hypertension, hypotension, cardiac pain, systolic murmur, "microwave sickness".	Sadicikova, PAVE PAWS REPORT
30000	106.3	0.7652	Neurological	Reversible changes in nervous and cardiovascular systems and blood; "radio sickness".	Sadchikova, 1976
33000	111.5	0.8417	Cardiac	Electroencephalographic disorders; elevation of fasting blood glucose; elevation of serum beta-lipoproteins; elevation of cholesterol.	Klimova- Deutchova, PAVE PAWS REPORT
35000	114.9	0.8927	Immune	Guinea pigs and rabbits exposed to continuous or pulse-modulated 3000 MHz microwaves for 3 h/day over 3 months and found nonthermal changes in lymphocyte counts, abnormalities in nuclear structure, and mitosis in the erythroblastic cell series in the bone marrow and in lymphoid cells in lymph nodes and spleen.	Baranski, 1971
50000	137.3	1.2753	Immune	Rabbits exposed to 2.1 GHz for 3 h/day, 6 days/week, for 3 months, showed suppression of T-lymphocytes.	Nageswari, 1991
100000	194.2	2.5507	Cancer	Cancer growth stimulated.	Holt, 1980
< 1000000	61.4	25.5067			
100000	194.2	2.5507	DNA	Diminished blood levels of glutathione in workers exposed to WCR from radar equipment 1.5 – 10.9 GHz.	Peraica, 2008
1000000	614.0	25.5067	Fertility	Decrease in sex function; decrease in spermatogenesis.	Lancranjan, 1976

Key	Description
Immune	Stress proteins, HSP, disrupted immune function
Fertility	Reproduction / fertility effects
DNA	Oxidative damage / ROS / DNA damage / DNA repair failure
Calcium	Disrupted calcium metabolism
Brain	Brain tumours and blood-brain barrier
Neurological	Sleep, neuron firing rate, EEG, memory, learning, behaviour
Cancer	Cancer (other than brain), cell proliferation
Cardiac	Cardiac, heart muscle, blood-pressure, vascular effects

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Standards				CURRENT SAFETY STANDARDS	
2000	27.5	0.0510		FCC 30 minute average exposure limit for general public for 30~300 MHz	FCC, 1996 (Appx Table 1 A)
10000	61.4	0.2551		FCC 30 minute average exposure limit for general public for 300~1500 MHz	FCC, 1996 (Appx Table 1 A)
10000	61.4	0.2551		FCC 30 minute average exposure limit for general public for 1.5~100 GHz	FCC, 1996 (Appx Table 1 A)
50000	137.3	1.2753		FCC 6 minute average occupational exposure limit for 1.5~100 GHz	FCC, 1996 (Appx Table 1 B)
2000	27.5	0.0510		ICNIRP 30 minute average exposure limit for general public for 30~400 MHz	ICNIRP, 2020 (Table 5)
10000	61.4	0.2551		ICNIRP 30 minute average exposure limit for general public for 400~2000 MHz	ICNIRP, 2020 (Table 5)
10000	61.4	0.2551		ICNIRP 30 minute average exposure limit for general public for 2~300 GHz	ICNIRP, 2020 (Table 5)
50000	137.3	1.2753		ICNIRP 30 minute average occupational exposure limit for 2~300 GHz	ICNIRP, 2020 (Table 5)
2000	27.5	0.0510		NZ 30 minute average exposure limit for general public for 30~400 MHz	NZS 2772.1:1999
10000	61.4	0.2551		NZ 30 minute average exposure limit for general public for 400~2000 MHz	NZS 2772.1:1999
10000	61.4	0.2551		NZ 30 minute average exposure limit for general public for 2~300 GHz	NZS 2772.1:1999
100	6.1	0.0026		Russia, China, Poland – maximum exposure levels	Foster, K. 2001
Biological				RECOMMENDATIONS BASED ON BIOLOGICAL EFFECTS	
10	1.9	2.55E-04		Radio broadcast (FM) – Daytime exposure	EUROPAEM Guideline 2016
1	0.6	2.55E-05		Radio broadcast (FM) – Nighttime exposure	EUROPAEM Guideline 2016
0.1	0.2	2.55E-06		Radio broadcast (FM) – Sensitive populations	EUROPAEM Guideline 2016
0.1	0.2	2.55E-06		GSM (2G), DECT, UMST (3G), LIT (4G) – Daytime exposure	EUROPAEM Guideline 2016
0.01	0.1	2.55E-07		GSM (2G), DECT, UMST (3G), LIT (4G) – Nighttime exposure	EUROPAEM Guideline 2016
0.001	0.0	2.55E-08		GSM (2G), DECT, UMST (3G), LIT (4G) – Sensitive populations	EUROPAEM Guideline 2016
0.01	0.1	2.55E-07		Wi-Fi 2.4/5.6 GHz, GPRS (2.5G), DAB+ – Daytime exposure	EUROPAEM Guideline 2016
0.001	0.0	2.55E-08		Wi-Fi 2.4/5.6 GHz, GPRS (2.5G), DAB+ – Nighttime exposure	EUROPAEM Guideline 2016
0.0001	0.0	2.55E-09		Wi-Fi 2.4/5.6 GHz, GPRS (2.5G), DAB+ – Sensitive populations	EUROPAEM Guideline 2016
0.0001	0.0	2.55E-09		No Concern	Building Biology Institute, 2015
0.01	0.1	2.55E-07		Slight Concern	Building Biology Institute, 2015
1	0.6	2.55E-05		Severe Concern	Building Biology Institute, 2015
>1	>0.6	2.55E-02		Extreme Concern	Building Biology Institute, 2015
100	6.1	2.55E-03		Non-Pulsed signal exposure recommendations	Salzburg Resolution, 2000
1	0.6	2.55E-05		Pulsed RF signal exposure recommendations	Salzburg Resolution, 2000
1	0.6	2.55E-05		Recommended safe exposure level	Bio-initiative report, 2007
0.03	0.2	1.53E-06		No observable biological effects level	Bio-initiative report, 2012
Background				BACKGROUND LEVELS	
1.00E-09	0.0	2.55E-14		Natural background level	Alasdair and Graham
0.03	0.1	7.65E-07		Background RF levels in US cities and suburbs in the 1990s	Mantiply, 1997
0.5	0.4	1.28E-05		Median ambient power density in cities in Sweden (30-2000 MHz)	Hamnierius, 2000
100	6.1	2.55E-03		Ambient power density within 30~60m of cell site in US (data from 2000)	Sage, 2000